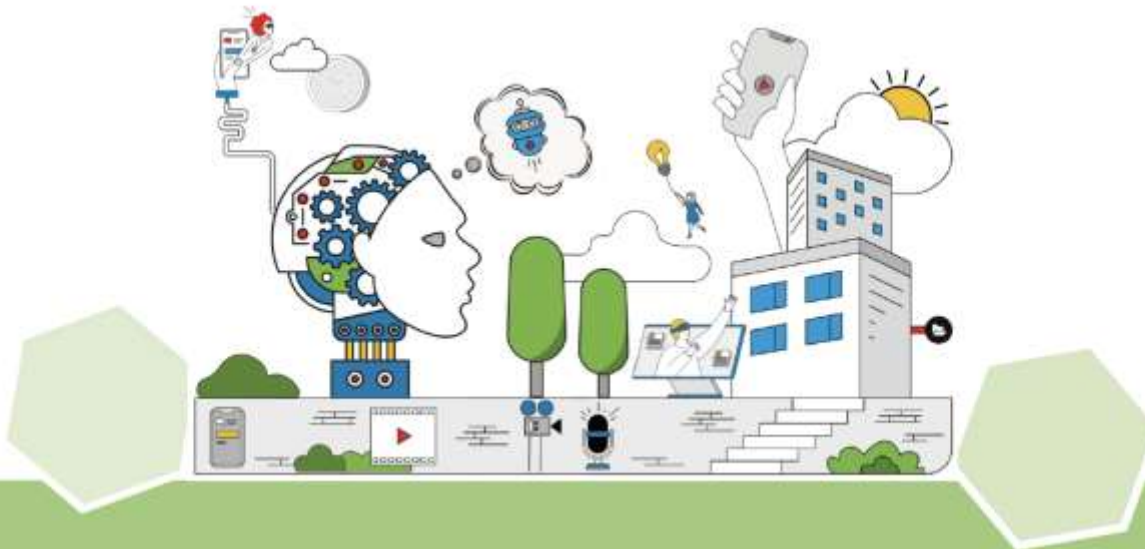




**CONFERENCE**  
LEUVEN 2025



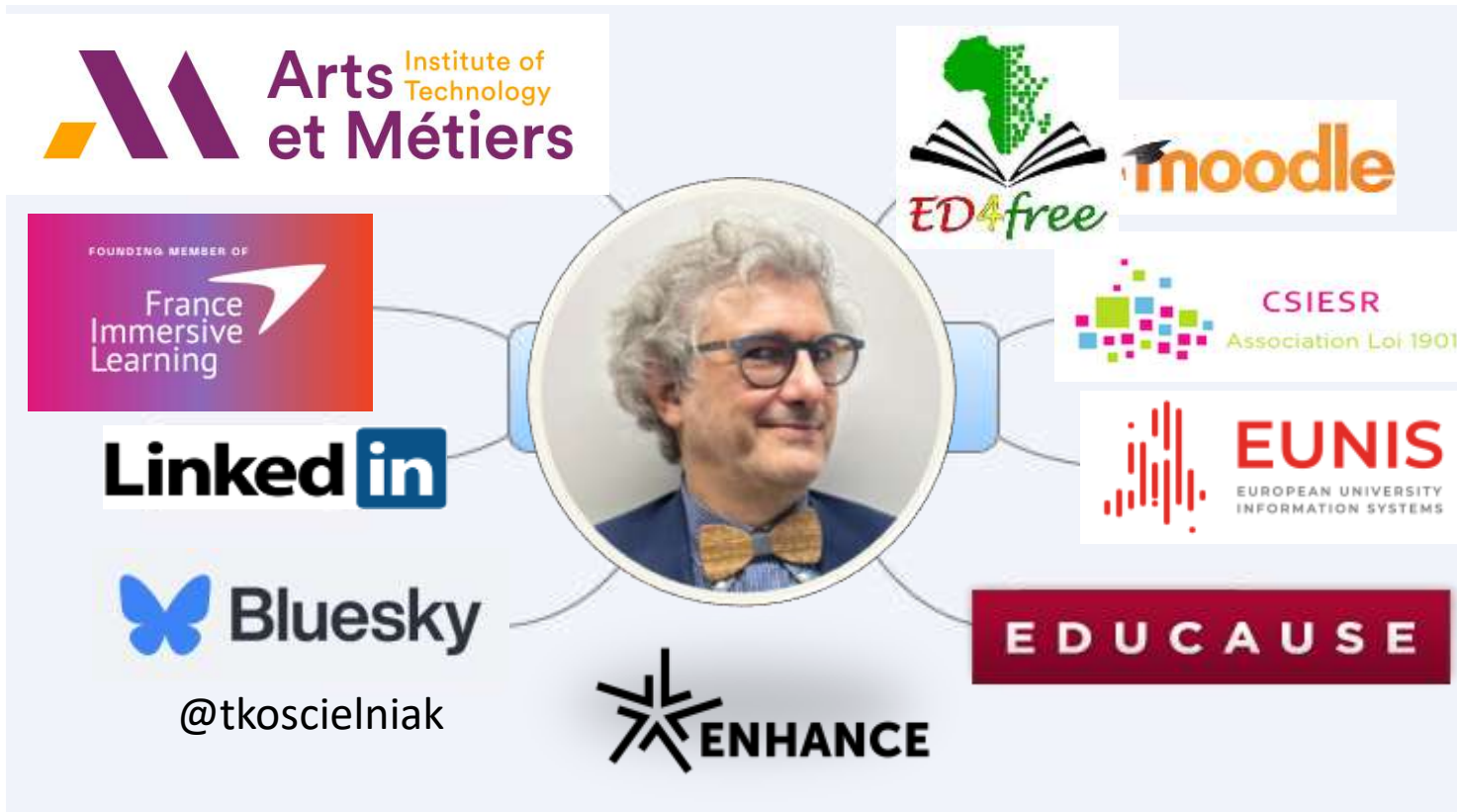
Educational media that works

Looking for a media  
that works?

Try Immersive  
Learning!

Media & Learning





Thierry Koscielniak

Executive Advisor at ENSAM

France Immersive Learning  
President

AKA Monsieur Métaversité  
AKA Inspector Gadget

What is this????

Now you will forget  
the next 20 minutes

Remember how  
brilliant

Come back to M&L 2006  
Bring friends and family

100 € cash

# Results (raw)



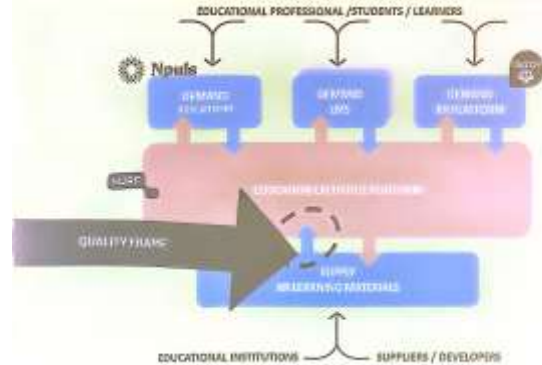
*Save the images as files and use the free Theta app to view in 360°*



# Results (edited)





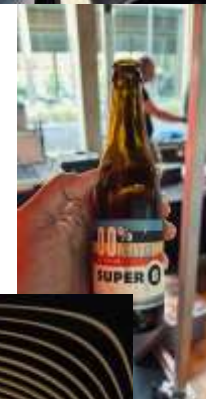



**From chaos to quality:**  
**Sharing XR apps with**  
**impact via simulearn**

4th June 2025

Jeroen Koolen, Npuls  
Olivia Smith, Npuls + Deflem college

# M&L 2025 preconference - day 1



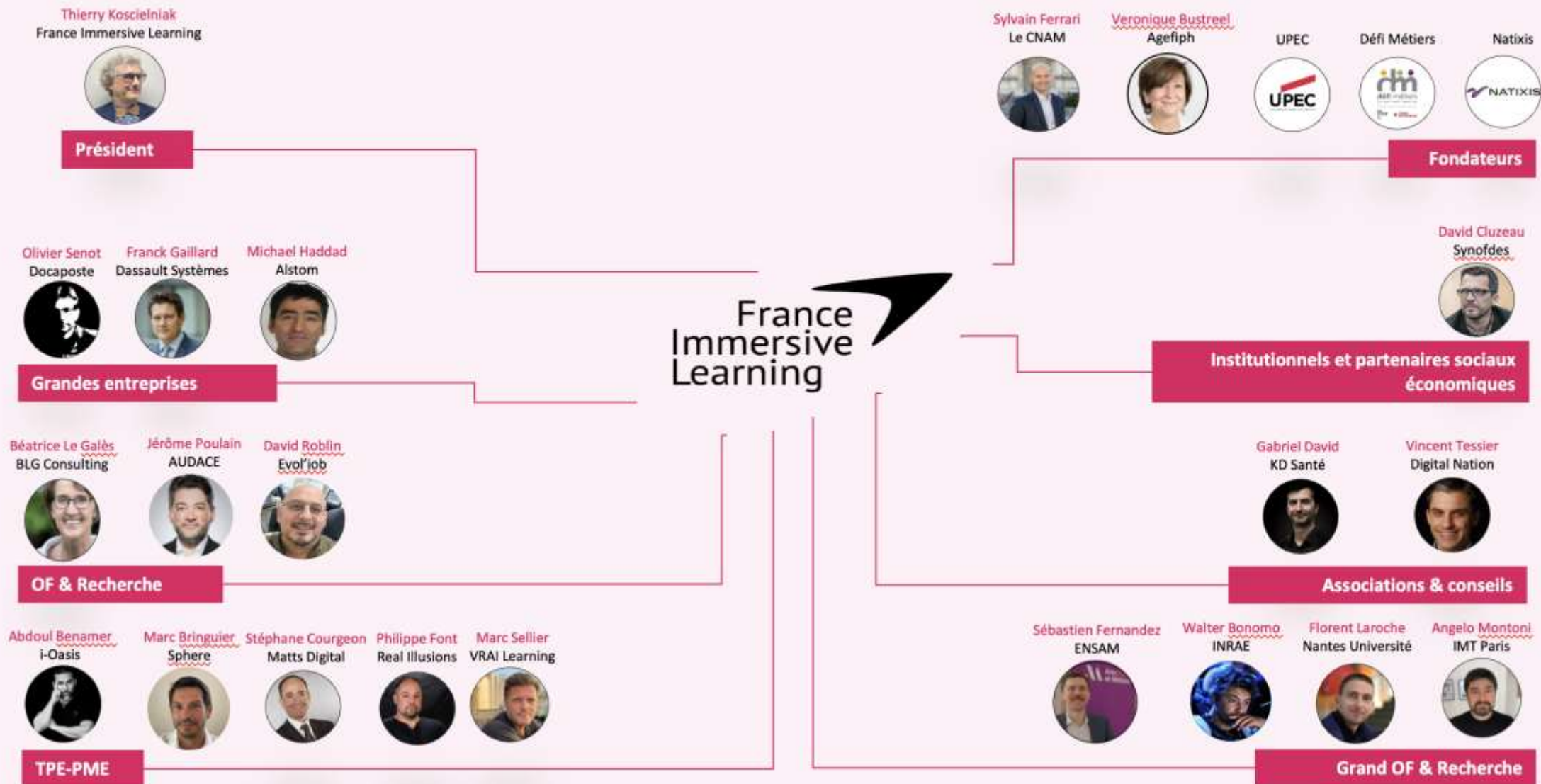


Fédérer, animer et représenter  
l'écosystème de production, de  
distribution et d'usage au service de  
*l'immersive learning*

[Adhérer à l'association](#)



# CONSEIL D'ADMINISTRATION – Mars 2025





# France Immersive Learning

Plateforme collaborative pour les projets des adhérents de FIL

Elle contient l'**OUIL - Observatoire des usages de l'immersive learning** et l'intranet de la vie de l'association

Vous êtes adhérente / adhérent de FIL, demandez l'ouverture d'un compte !

[Se connecter](#)[Demander un compte](#)[≡ Toutes les entités ▾](#)[Rechercher](#)[Catégories de projets ▾](#)[Tout voir](#)[Voir nos emplacements](#)



**ENSAM – École nationale supérieure d'arts et métiers**



# THE FOUNDATIONS OF THE INSTITUTION

1780  
Creation of the institute by the Duke  
of La Rochefoucault-Liancourt



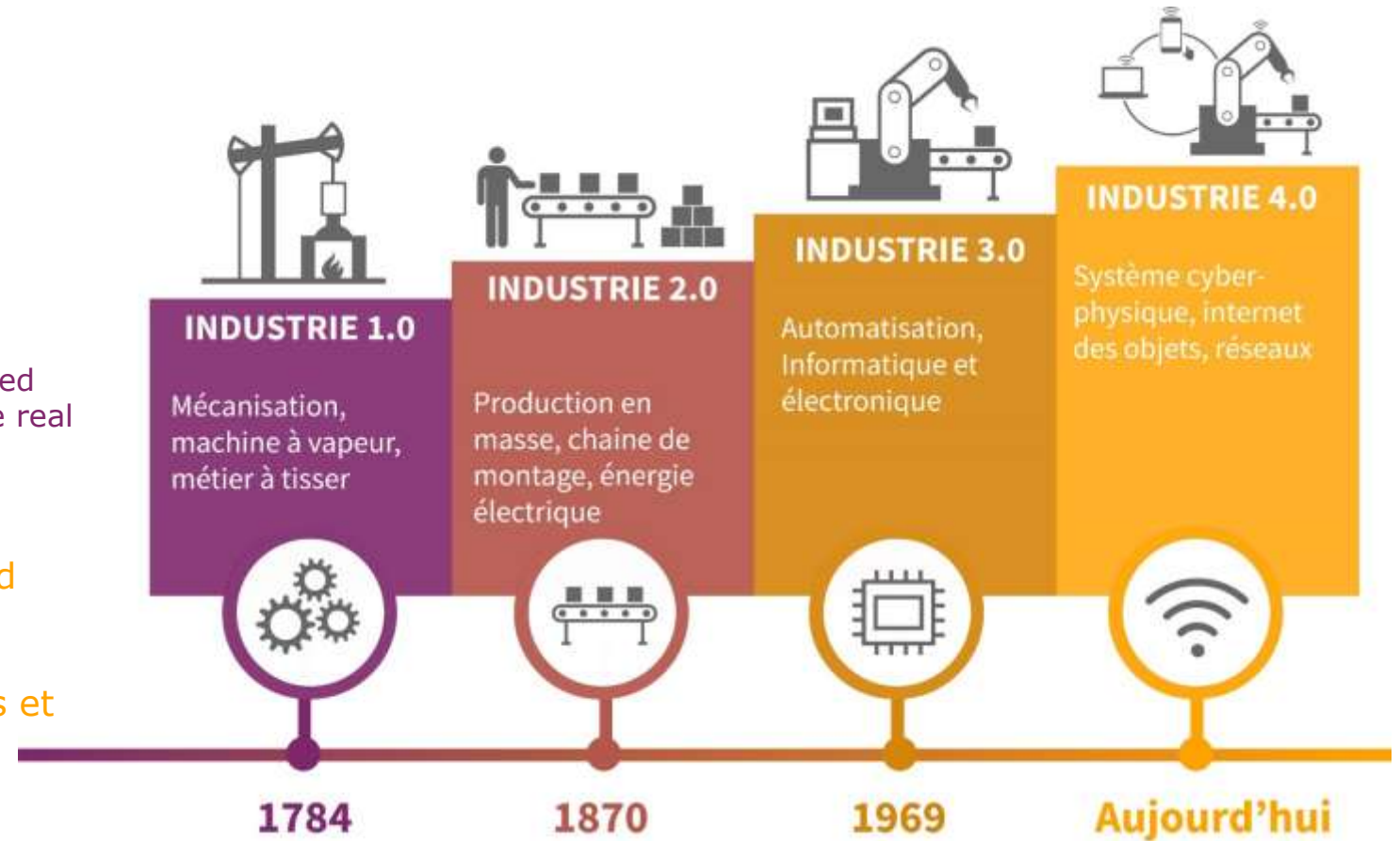
It is in the ideas of the Enlightenment that we must seek the origins of the institution, the movement that inspired the Duke of Liancourt, founder of ENSAM.

'Combining manual dexterity with intellectual knowledge' has always been our mission.

- Mobilising knowledge to meet a specific societal need
- Mobilising scientific knowledge to take action in the real world

For over two centuries, Arts et Métiers has contributed to scientific progress and supported every industrial revolution.

Faced with the fourth industrial revolution, Arts et Métiers is committed to innovation.



# A UNIQUE INSTITUTION

9 CAMPUS

14 LOCATIONS



# Towards a connected, sustainable and responsible factory school on every campus







Jumeaux d'enseignement numériques immersifs et interactifs

Immersive and interactive digital twins for teaching



Are Immersive Tech ready to use?

Raise hand if yes

Do you have a headset at home?

Raise hand if yes



What is this????



Wahooo effect

Practical skills

Collaborative

Engaging

## Why Immersive Learning?

Retention

Soft skills

Security

Transcendence

Singularity

Learning chemistry with 360° contents

<https://r.cnam.fr/gpcnam>





# uptale.



Cliquez pour continuer !



Learning softskills with 360° contents





**Une formation impactante**

pour prévenir les discriminations



**The JENII project (JENII – ANR-21-DMES-0006), funded by the ANR (French National Research Agency) as part of the PIA4 DemoES call for projects, began on 2 November 2021 and run for four years.**

**This project, coordinated by Arts et Métiers Institute of Technology – ENSAM - École Nationale Supérieure d'Arts et Métiers, brings together CESI, CNAM and CEA.**



**[linkedin.com/company/jenii](https://www.linkedin.com/company/jenii)**

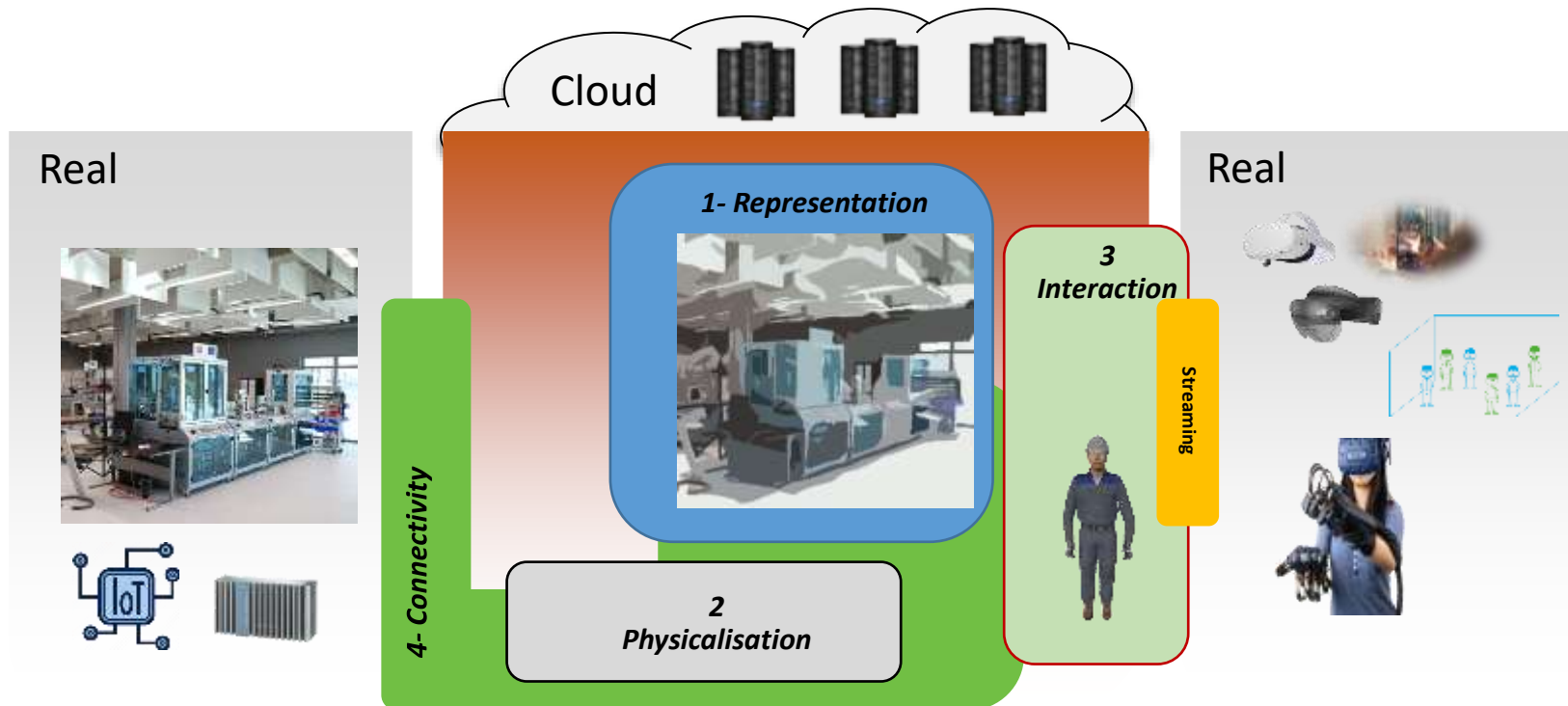


**@jenii\_ensam**



A digital twin makes it possible to virtually reproduce a physical object, process or complex system in a visually and physically realistic manner.

1. Representation / 2. Physicalisation / 3. Interaction / 4. Connectivity



## Educational issues:

Understanding a complex phenomenon

Discover a means of production

Manipulate a means of production

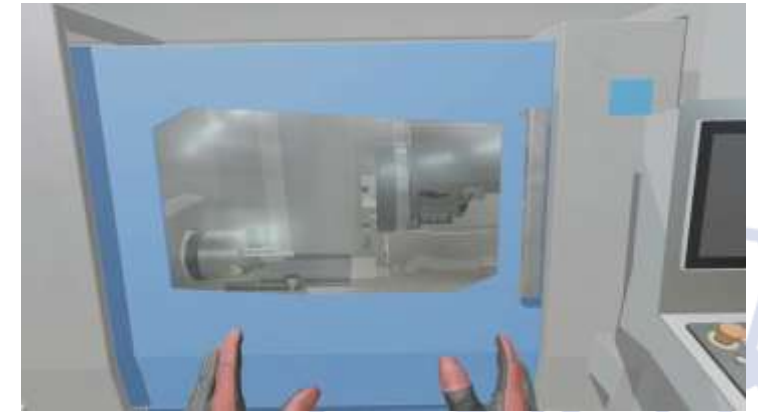
Configure a production means

Check if a product is compliant

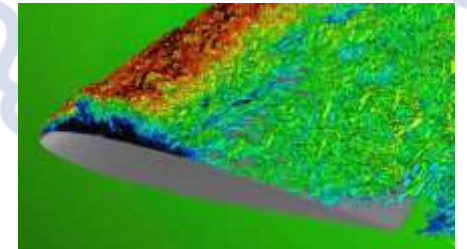
Understanding the interest of a DT in the industry

Learning technical gestures, procedures, soft skills and concepts

Hybrid learning



Drilling machine - ENSAM



Air flow around  
an airplane wing - Cnam

## Deliverables

A toolkit including demonstrators:

- A digital twin design platform

- A digital twin distribution platform

- An immersive virtual campus

- Guides for creating educational scenarios

- Examples of digital twins to test this toolkit



Educational white  
paper

<https://doi.org/10.58156/reliam/2023/0016>











Player

- ☒ Snap Turn
- ☒ Show Avatar

Screw Press

- Close Open
- Cycle 1 Cycle 2

Furnace

- Close Open
-

# The twins



**FMS Flexible Manufacturing System**



**Machining**



**Wood mabufacturing**



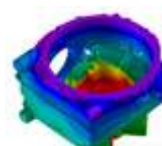
**Forging**



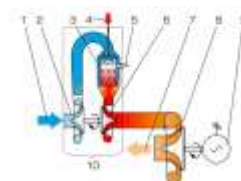
**Chemistry lab**



**Additive Manufacturing**



**Casting**



**Turbomachine**



**Light Aviation**



**Electrical Car**



**Construction and dismantling of nuclear facilities**



le cnam

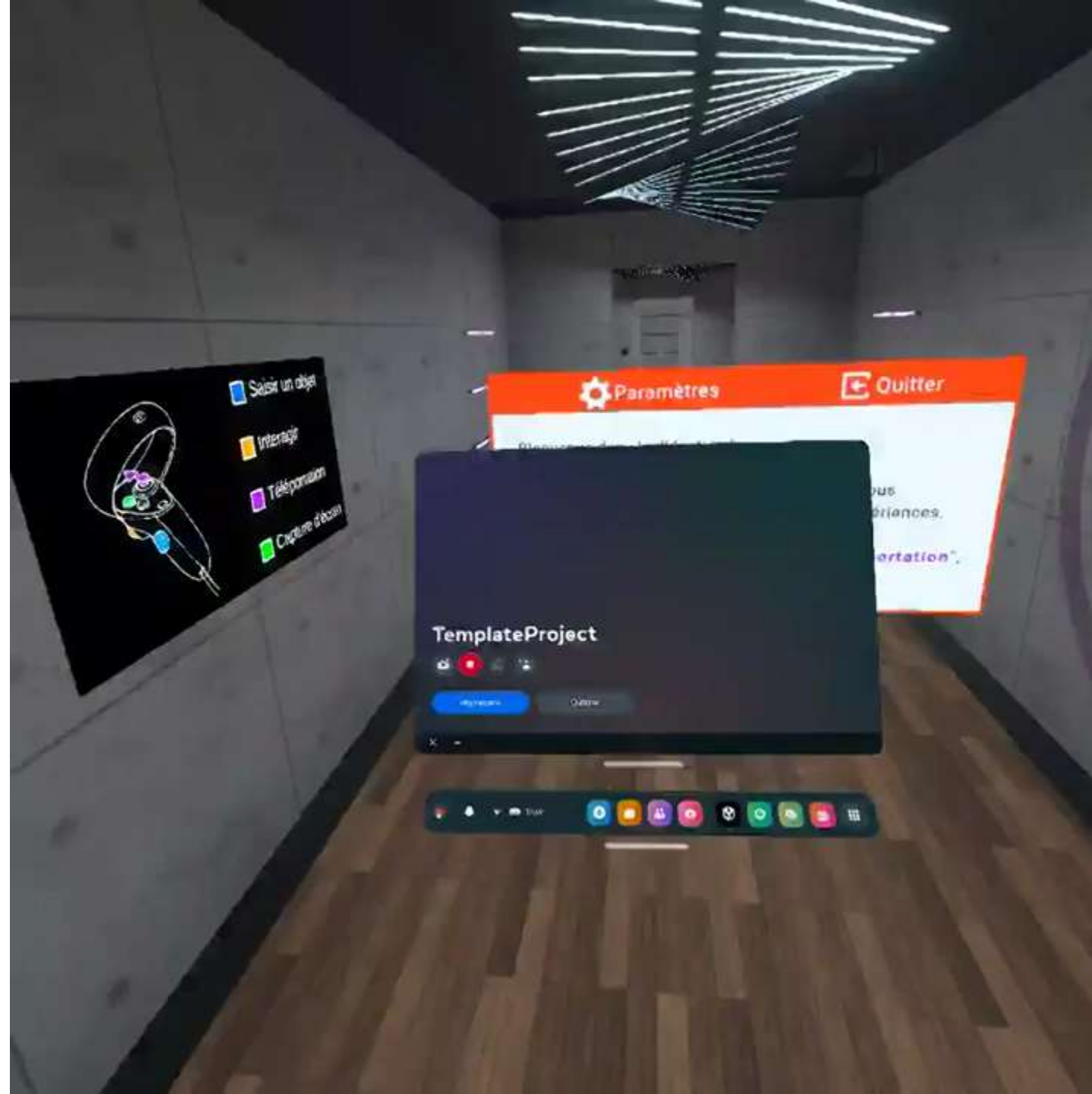


present



# Accessibility

Thank you Christian Cousquer – Le Cnam



# Teaching and learning in a Metaverse

<https://engagevr.io>

Augmented virtuality





# Cardio training with Immersive Tech

Name of the  
game?

Beat Saber



SOLO

BeatLeader

1



Soundtrack Vol. 2

YOU ft. Kinnie Lane

2:51

126

2:33

128

2:10

128

Spill

3:09

132

It's

ver ft. Frank Bentley

2:00

188

I Need You  
Megaphonix

★ 0.00

0.00

7

unr.

2.58

338

7

5



360

90

EASY

NORMAL

HARD

EXPERT

EXPERT+

PRACTICE

PLAY

MAX COMBO

108





08:42<sup>54</sup>



NEW SONG! Lustre  
no request today (??? depends)  
modding first



[twitch.tv/cametek](https://twitch.tv/cametek)  
[twitter.com/cametek](https://twitter.com/cametek)  
[linktr.ee/camelliayt](https://linktr.ee/camelliayt)



UnkenderGhoul I remember a while ago you did multi-player beat saber  
tenocheerreader I am such a huge fan camellia you're amazing  
Svampur11 camellia when you make songs n the future please upload them to gd if you can 🙏🙏  
yokal\_fan123 my vr headsed straps actually broke yesterday  
ZnowyBeanz I have pictures of you on my walls in my room  
ollewinks oh yeah everyones broken at least part of their vr setup at some point lmao  
THEGLITCHEDHATTER I once slammed one of my controllers into my chair so hard it disconnected in the middle of a beat saber session  
CalaMariVT give him one million dollars  
mediocre\_gamer777 @ZnowyBeanz this is factual  
xsiruxzz @theglitchedhatter real  
Dragon5777 geometry dash stream, when? 🎧



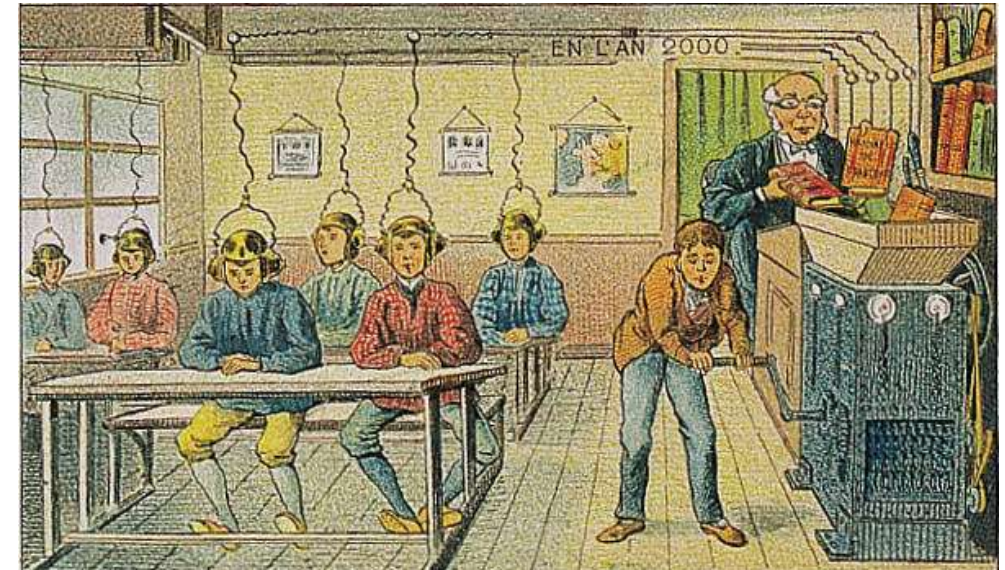
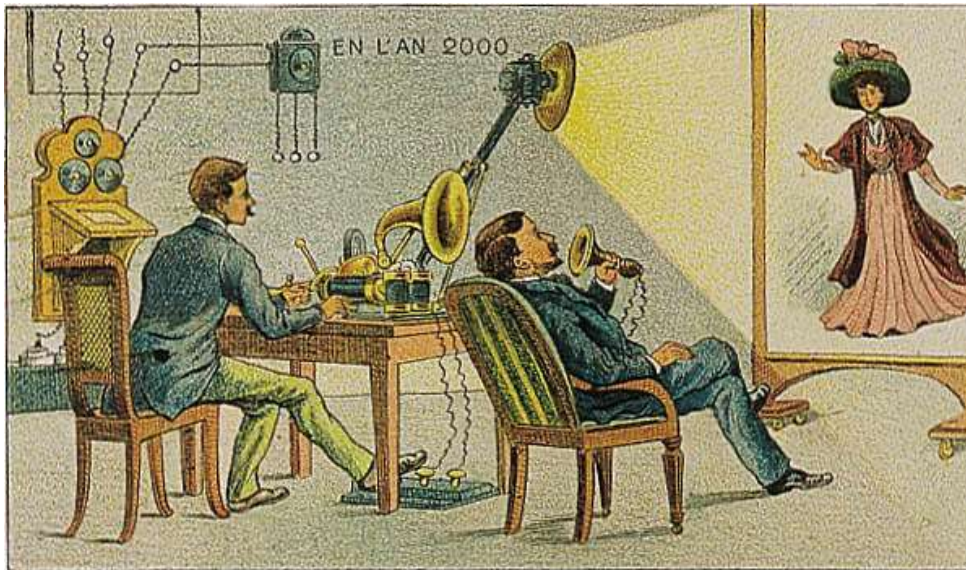
# Another time? Paleo-futuring...

Isaac Asimov

## FUTUREDAYS



A Nineteenth-Century  
Vision of the Year 2000



# Watch this short movie – SIGHT (2012)



Augmented  
reality in the  
future





**CONFERENCE**  
LEUVEN 2025



[LinkedIn profile](#)

**Thank you**

